

(TM), and conserved cytoplasmic motifs are indicated. The extracellular domain of rat *robo 1* is nearly identical to H1.

IN THE CLAIMS

F1 ☒ Please cancel claim 92 and amend the pending claims as follows:

F2 68. (Amended) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence of at least 12 consecutive residues of SEQ ID NO:2, wherein the polypeptide elicits a Drosophila Robo-1 (SEQ ID NO:2) specific antibody.

F3 75. (Amended) An isolated polynucleotide comprising at least 24 consecutive nucleotides of SEQ ID NO:1, wherein the polynucleotide provides a specific hybridization probe for Drosophila Robo-1 mRNA (RNA equivalent of SEQ ID NO:1).

F4 79. (Amended) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence of at least 12 consecutive residues of SEQ ID NO:4, wherein the polypeptide elicits a Drosophila Robo-2 (SEQ ID NO:4) specific antibody.

F5 85. (Amended) An isolated polynucleotide comprising at least 36 consecutive nucleotides of SEQ ID NO:3, wherein the polynucleotide provides a specific hybridization probe for Drosophila Robo-2 mRNA (RNA equivalent of SEQ ID NO:3).

F6 88. (Amended) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence of at least 12 consecutive residues of SEQ ID NO:6, wherein the polypeptide elicits a C. Elegans (SEQ ID NO:6) specific antibody.

F7 96. (Amended) An isolated polynucleotide comprising at least 24 consecutive nucleotides of SEQ ID NO:5, wherein the polynucleotide provides a specific hybridization probe for C. elegans

F8
100. (Amended) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence selected from the group consisting of residues 1-12, 18-28, 31-40, 45-65, 106-116, 137-145, 214-230, 274-286, 314-324, 399-412, 496-507, 548-565, 599-611, 660-671, 717-730, 780-791, 835-847, 877-891, 930-942, 981-998, 1040-1051, 1080-1090, 1154-1168, 1215-1231, and 1278-1302 of SEQ ID NO:8, or the group consisting of residues 6-21, 68-167, 168-258, 259-350, 351-450, 451-546, 547-644, 645-761, 762-862, 896-917, 1070-1079 and 1181-1195 of SEQ ID NO:8, wherein the polypeptide elicits a human Robo-1 (SEQ ID NO:8) specific antibody.

F9
102. (Amended) An isolated polynucleotide according to claim 100, wherein the sequence is selected from the group consisting of residues 6-21, 68-167, 168-258, 259-350, 351-450, 451-546, 547-644, 645-761, 762-862, 896-917, 1070-1079, and 1181-1195 of SEQ ID NO:8.

F10
108. (Amended) An isolated polynucleotide comprising a sequence selected from the group consisting of nucleotides 134-501, 502-776, 777-1049, 1051-1350, 1351-1636, 1637-1933, 1934-2284, 2285-2589, 2666-2765, 3169-3268, and 3514-3613 of SEQ ID NO:7; or the group consisting of nucleotides 199-228, 777-806, 1051-1080, 1352-1381, 1637-1666, 1934-1963, 2285-2313, 2643-2672, 3172-3200, and 3491-3520 of SEQ ID NO:7; or the group consisting of a reverse complement of a sequence selected from nucleotides 471-500, 751-777, 1021-1050, 1321-1350, 1607-1636, 1902-1931, 2257-2286, 2561-2591, 2761-2790, 3281-3310 and 3601-3630 of SEQ ID NO:7, wherein the polynucleotide provides a specific hybridization probe for human Robo-1 mRNA (RNA equivalent of SEQ ID NO:7).

Int C27
F11
112. (Amended) An isolated polynucleotide comprising a coding strand encoding a polypeptide comprising a sequence selected from the group consisting of residues 5-16, 38-47, 83-94, 112-125, 168-180, 195-209, 222-235; and 241-254 of SEQ ID NO:10, wherein the polypeptide elicits a human Robo-2 (SEQ ID NO:10) specific antibody.
